

Patent Abstracts of Japan

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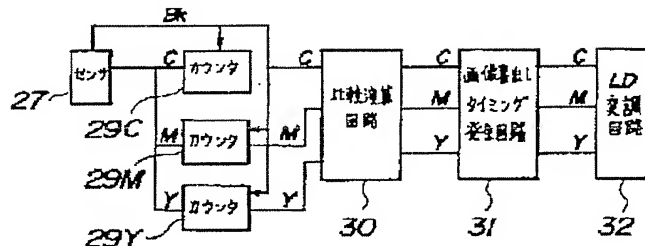
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TITLE : IMAGE FORMING DEVICE



ABSTRACT : PROBLEM TO BE SOLVED: To eliminate the need of adjusting writing timing whenever a pattern image for measurement is formed by making a comparison for the fact that a calculated deviation value is within a previously set permissible value or not and adjusting the image writing timing, only when the calculated deviation value is out of the permissible value.

SOLUTION: A deviation value from a set value previously set is calculated with the counter value of a counter 29C, by a comparing/calculating circuit 30. When a clock frequency is defined as MHz and the counter value is defined as Kc, the difference between a set value tKC and a count value KCS(=M.tKC) is calculated and expressed by $K(c-cs)=KC-KCS$. The difference $K(c-cs)$ expresses the deviation value with respect to the set interval between pattern images Bk and C. The deviation value is influenced by the speed fluctuations of a photoreceptor and a transfer belt as well. Then, a positional deviation permissible value (e) is set and a count value Ke corresponding to the permissible value (e) is compared with the absolute value of the deviation value count value $K(c-cs)$ from a sensor 27. When $Ke < |K(c-cs)|$ is obtained, the image writing timing is changed.

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